

ABSTRACT

TUNER

A single conversion tuner is provided for receiving digital terrestrial broadcast signals. The tuner comprises a single frequency changer comprising a mixer and local oscillator controlled by a PLL synthesiser. A non-alignable variable low pass filter is provided between the tuner input and the mixer, which is of the image reject type. The bandwidth of the filter is varied so as to track the local oscillator frequency to provide sufficient attenuation of the image channel without requiring any alignment during manufacture.